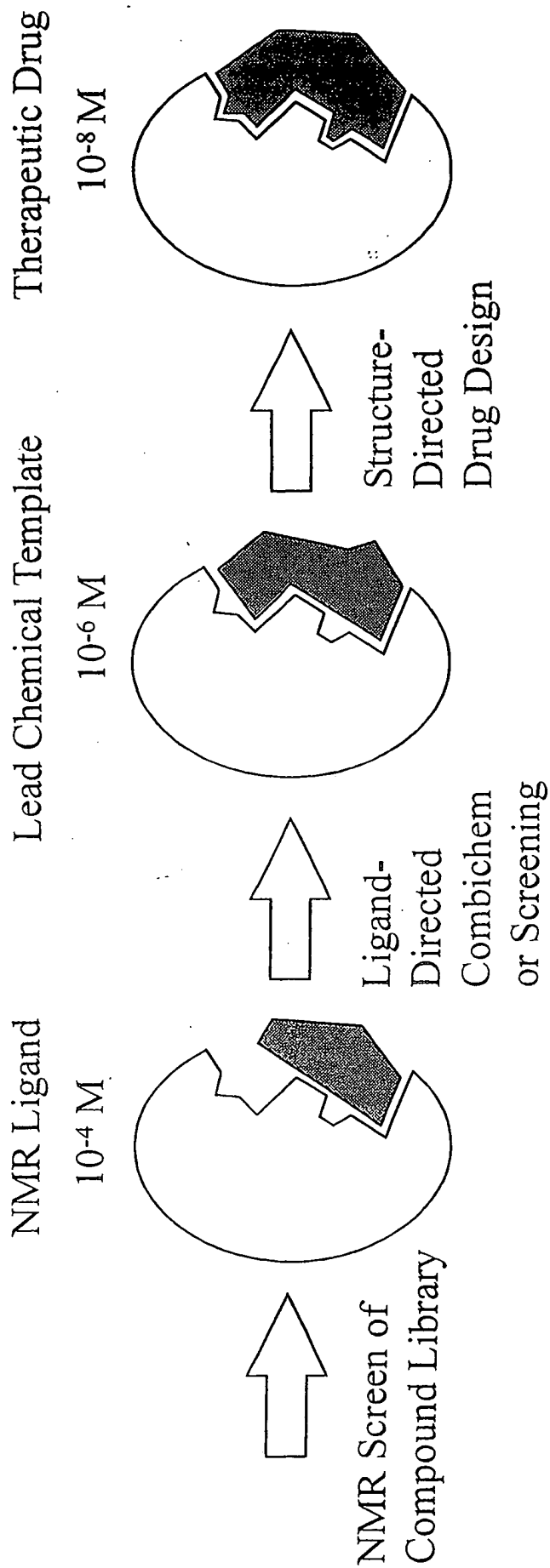
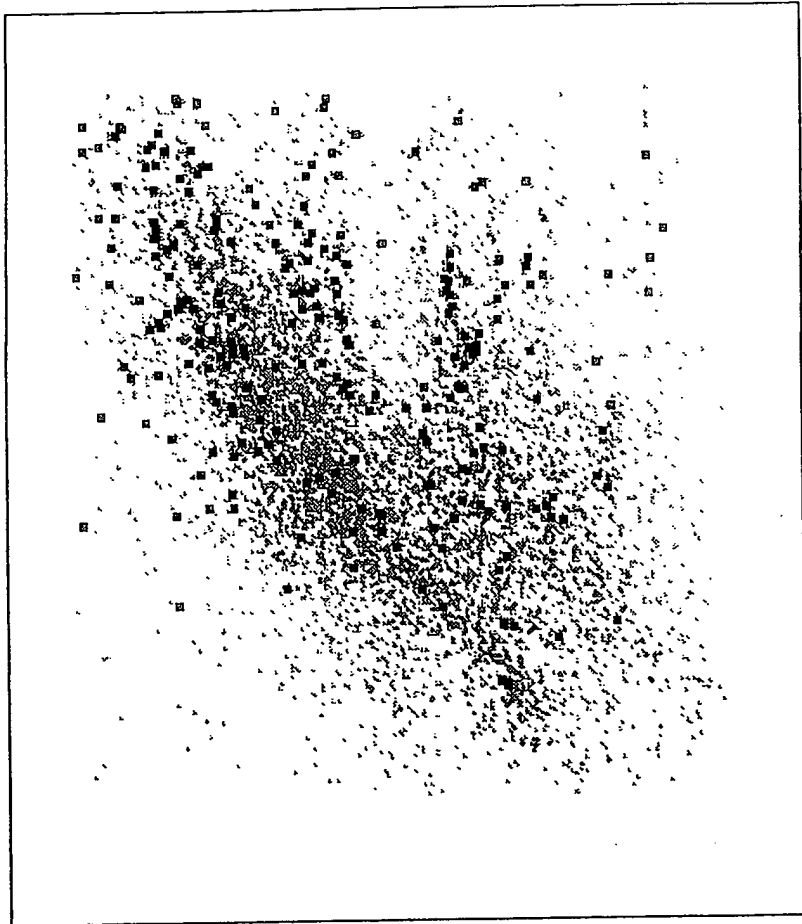


Figure 1





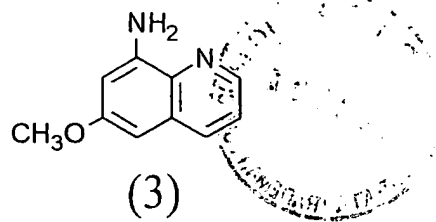
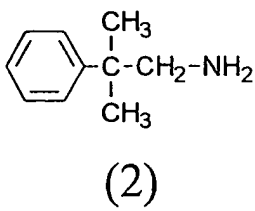
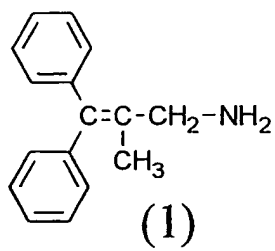
HA BCUT



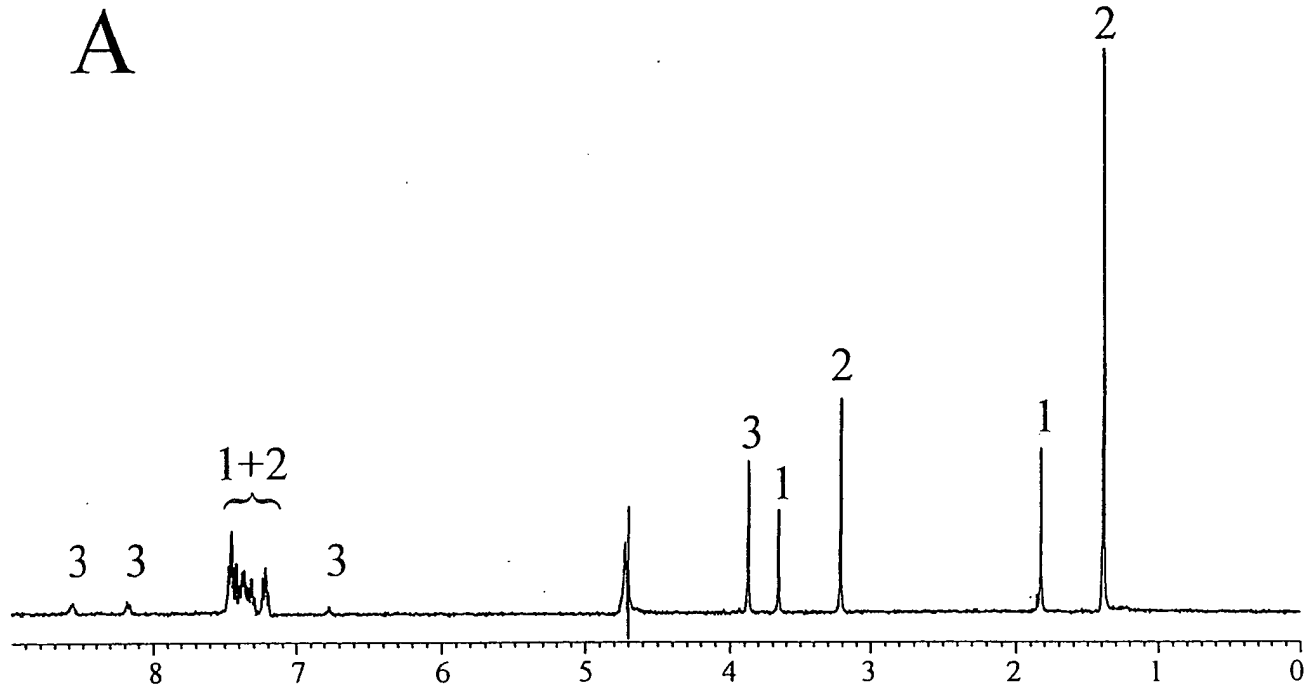
CHRG BCUT

Figure 2

Figure 3



A



B

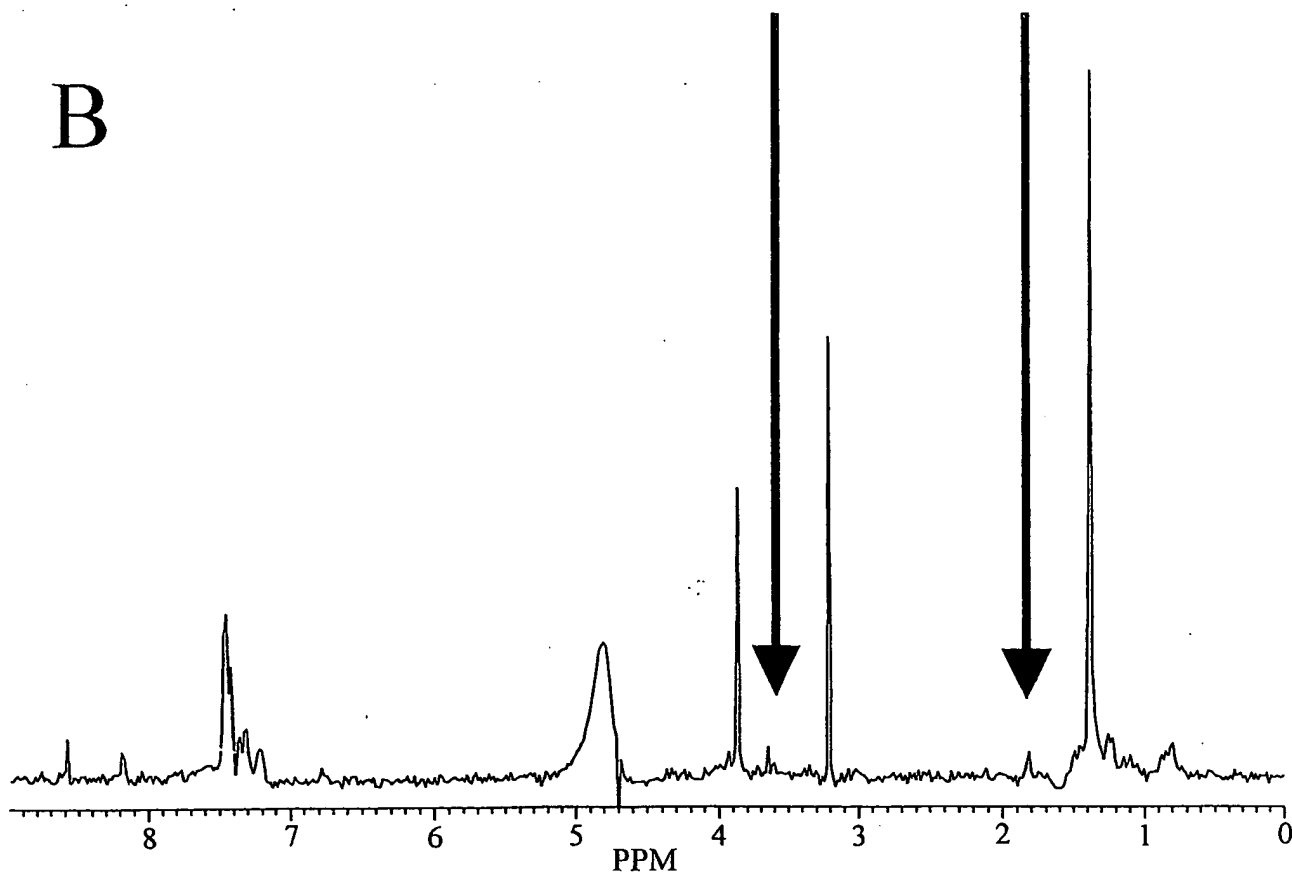
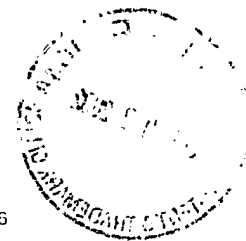
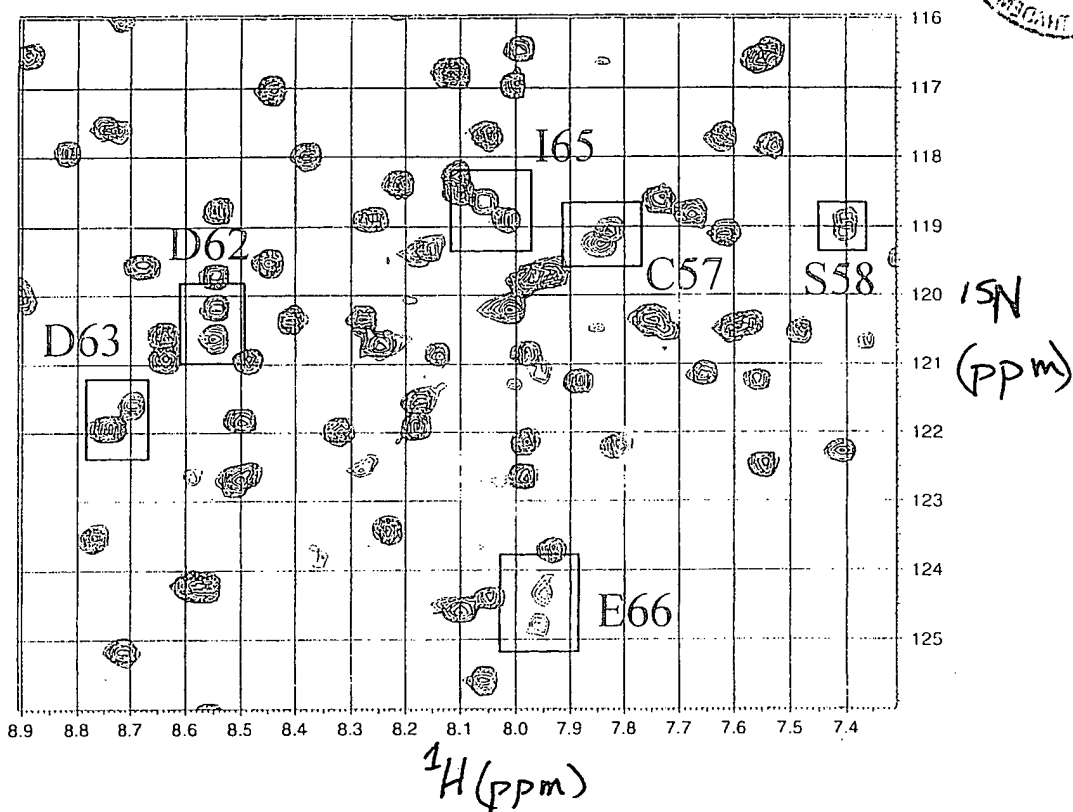


Figure 4



A



B

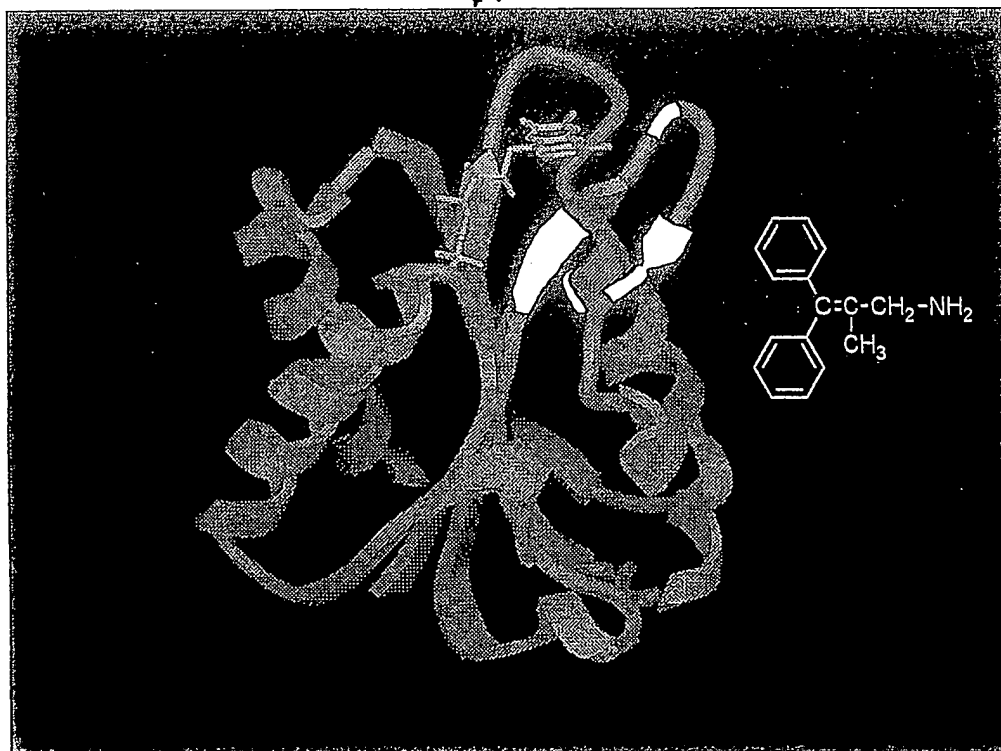
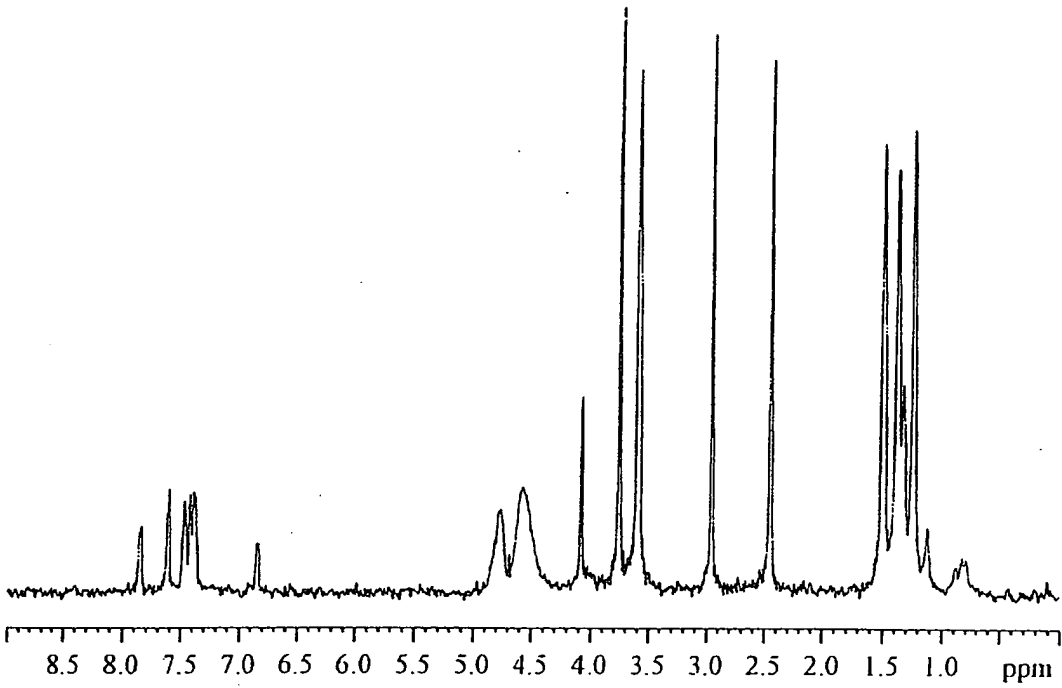
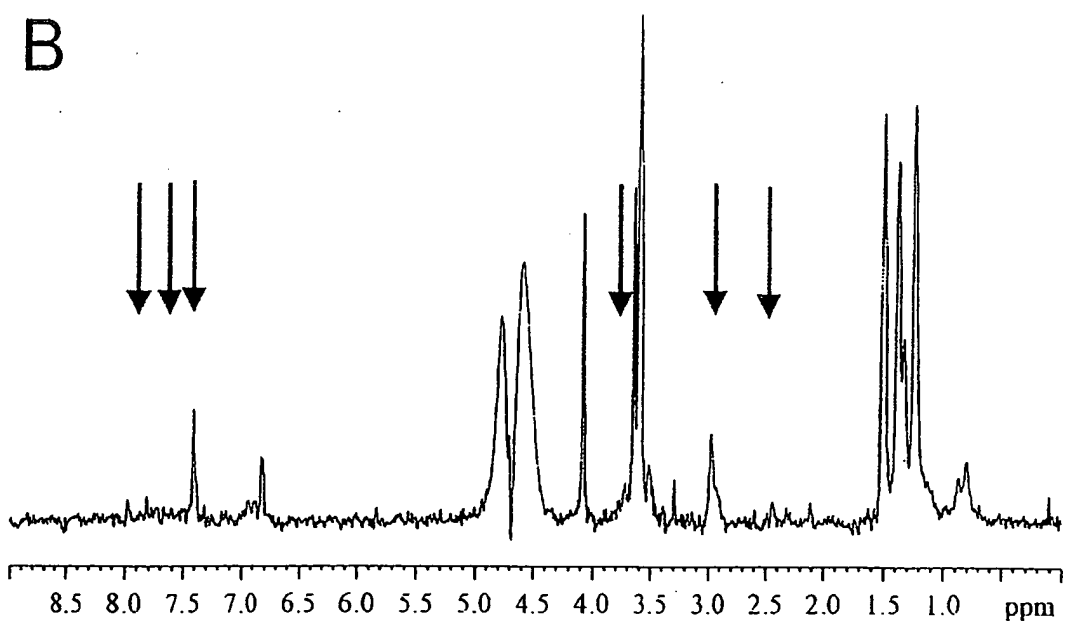


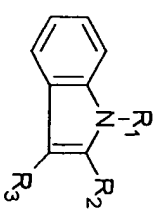
Figure 5

A

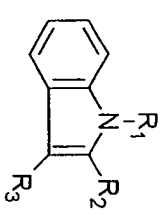


B

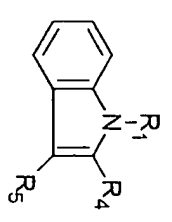




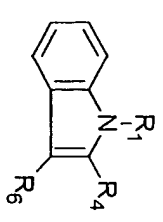
Ligand A NMR  $K_d \sim 1.4 \times 10^{-4} \text{ M}$



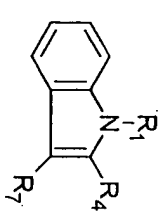
Ligand A  $IC_{50} \sim 9.0 \times 10^{-5} \text{ M}$



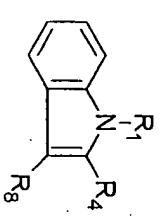
Ligand B  $IC_{50} = 1.8 \times 10^{-5} \text{ M}$



Ligand C  $IC_{50} = 1.8 \times 10^{-5} \text{ M}$



Ligand D  $IC_{50} = 1.2 \times 10^{-5} \text{ M}$



Ligand E  $IC_{50} = 3.2 \times 10^{-6} \text{ M}$

Figure 6

Figure 4

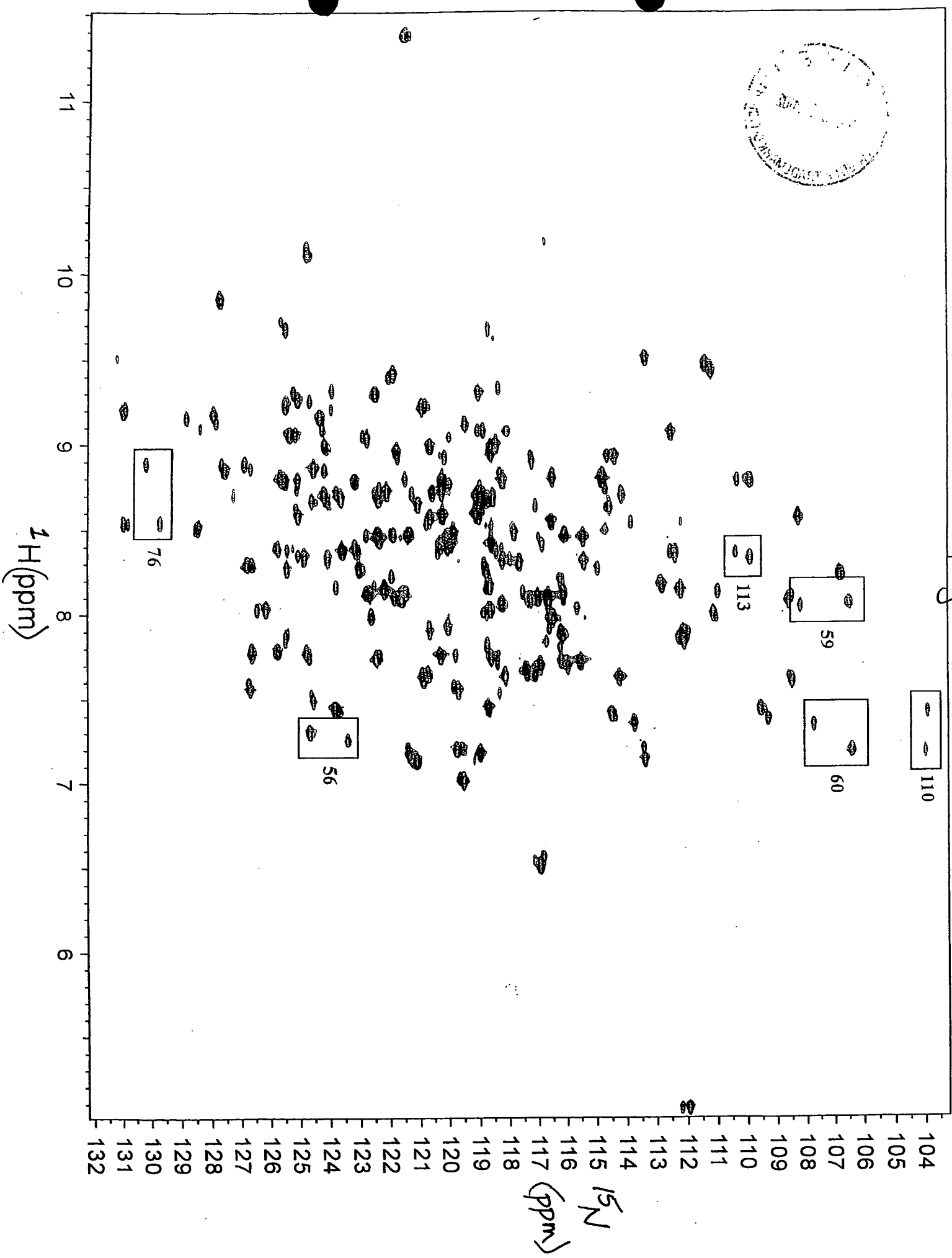




Figure 8

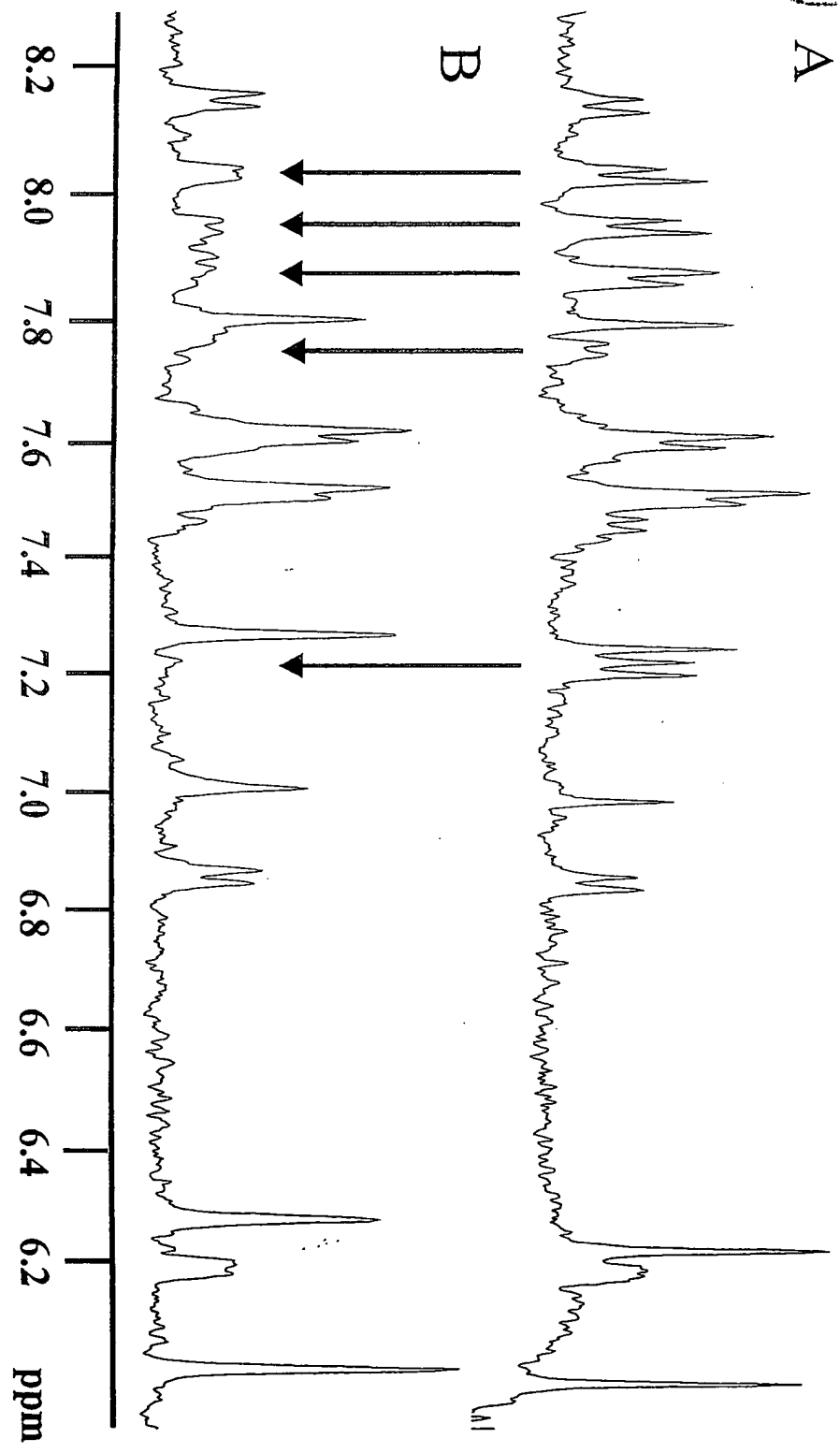
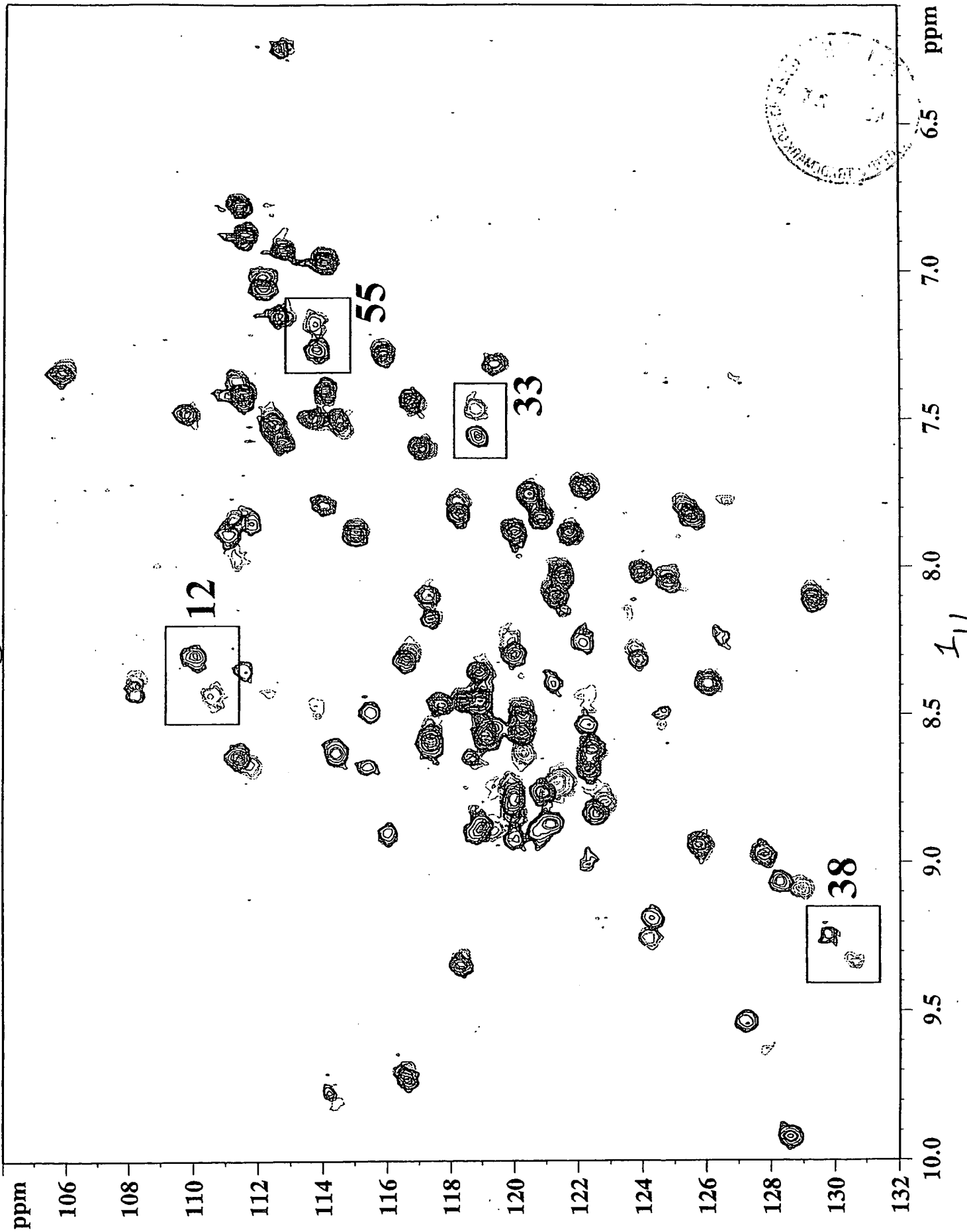




Figure 9



$^{15}\text{N}$

Figure 10.

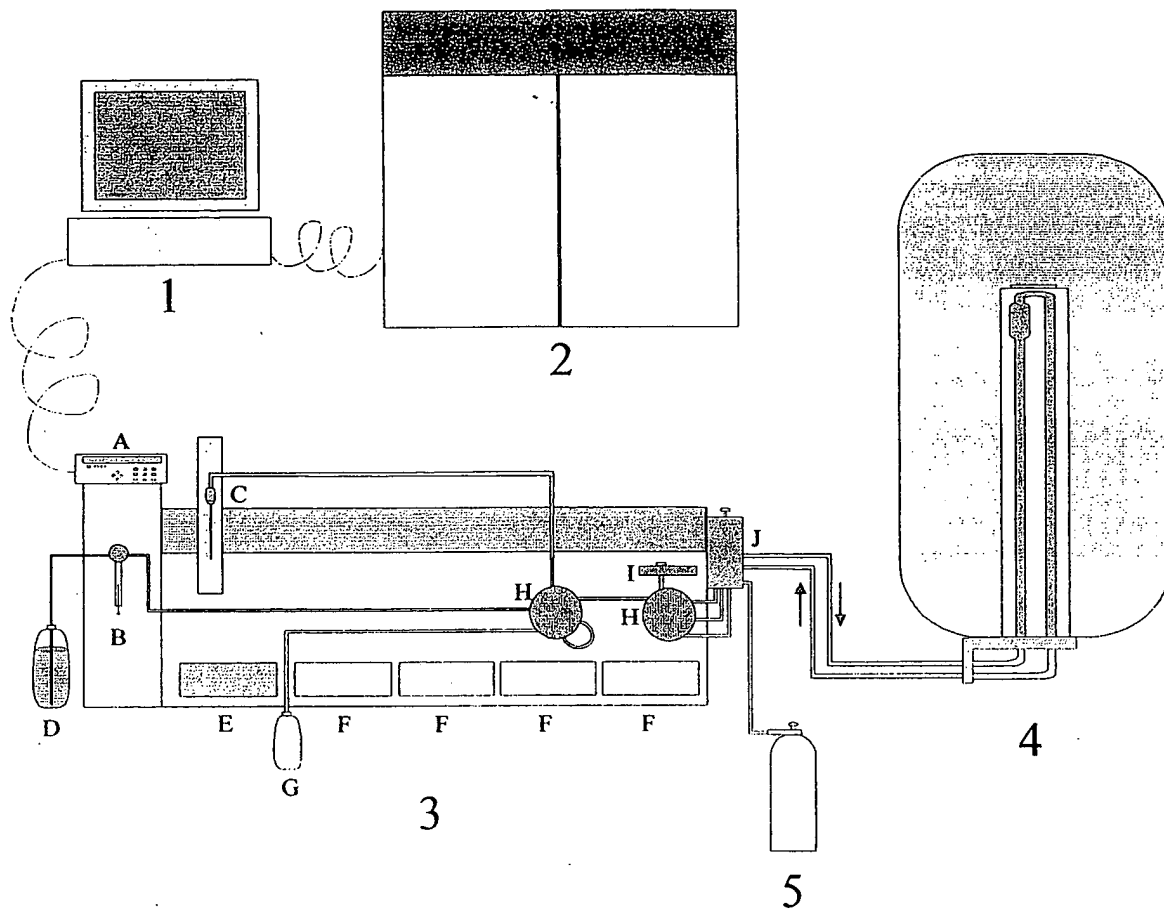


Figure 11.

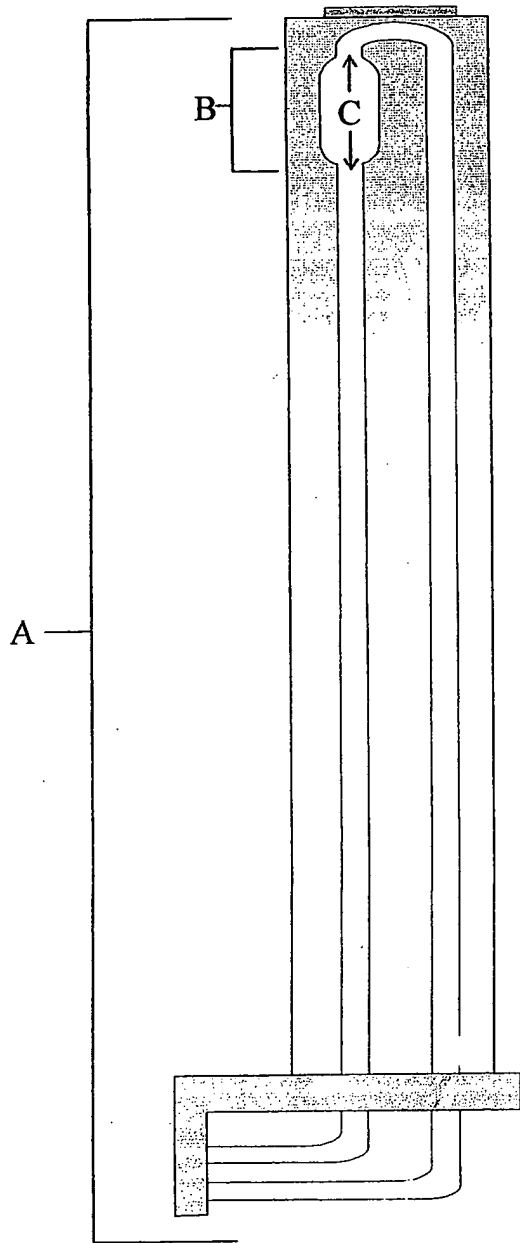


Figure 12.

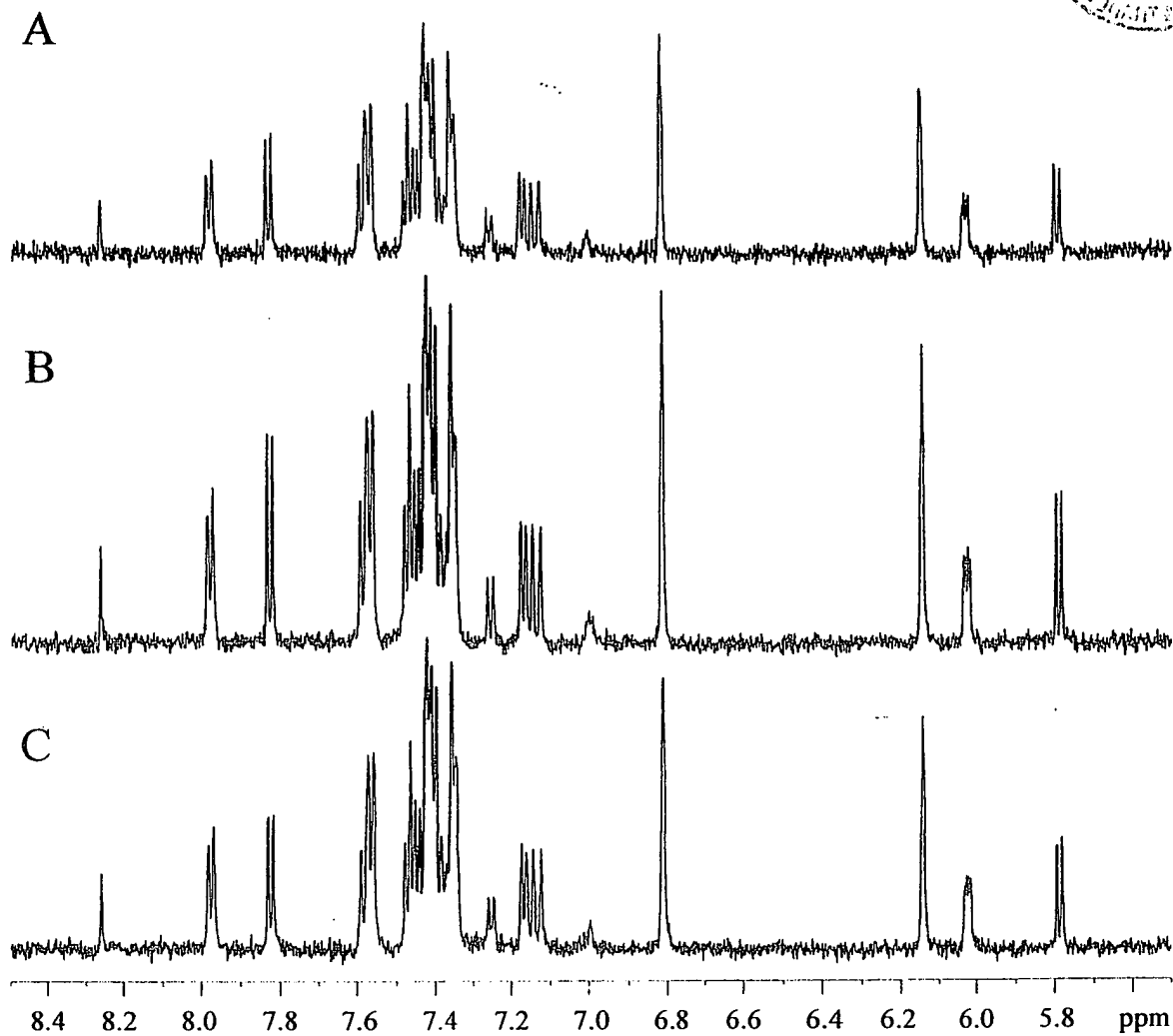
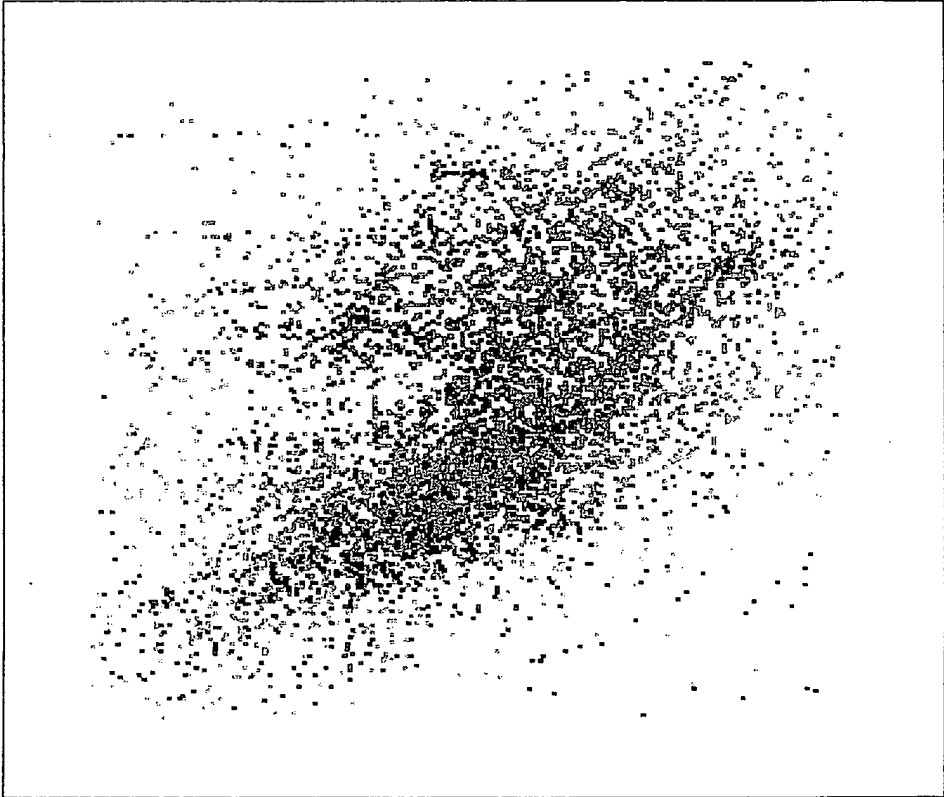


Figure 13.



HA BCUT



CHRG BCUT

Figure 14.

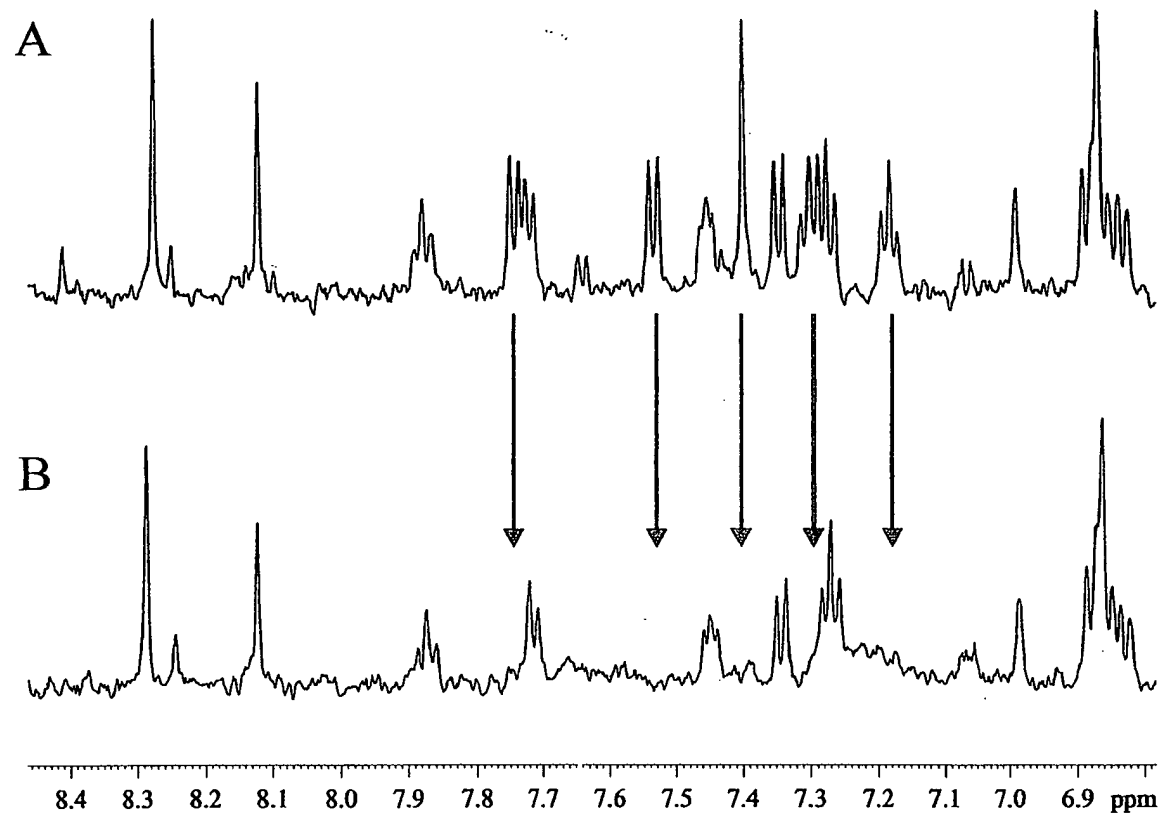
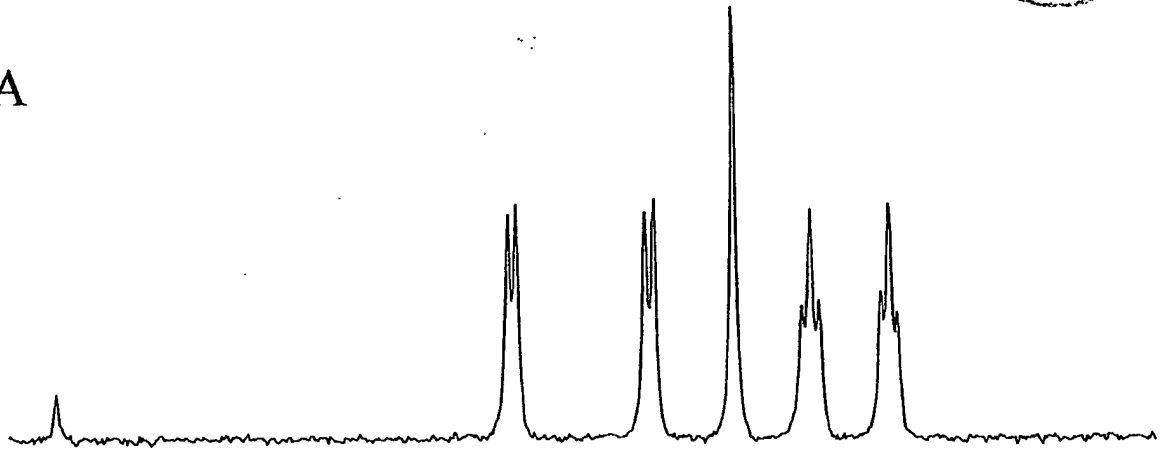


Figure 16



A



B

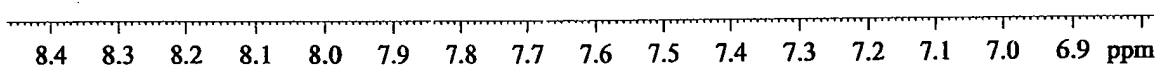


Figure 16

